
KEY TO THE OHIO VIBURNUMS IN THE WINTER CONDITION.

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Viburnum L. Shrubs or small trees with opposite leaf scars, the leaf scars meeting or connected by a line; twigs gray, brown or reddish; stellate pubescent or glabrous, sometimes peltate dotted; terminal bud present or tips withering; axillary buds single, visible scales 1-3 pairs, the outer pair short or completely covering the bud; leaf scars V-shaped to broadly U-shaped or heart-shaped, the bundle scars 3; stipular scars none; pith small, cylindrical or nearly so, solid.

Some of the species are very difficult to separate unless dry leaves are present.

1. Buds completely covered by the outer pair of scales, some with a minute pair at the base. 2.
1. Outer pair of bud scales about half the length of the bud or less; twigs of the season scattered stellate pubescent. 5.
2. Twigs of the season glabrous, peltate dotted and light colored; buds very long, slender and pointed. *V. cassinoides* L. Withe-rod.
2. Twigs of the season glabrous. 3.
2. Twigs of the season densely stellate pubescent. 4.

3. Buds ovate, merely acute, outer pair of scales red, next pair glutinous; twigs of the season light brown or gray, the tips withering.
V. opulus L. Cranberry-tree and Snowball.
 3. Buds long and rather slender; twigs of the season dark reddish brown.
V. lentago L. Sheepberry.
and *V. prunifolium* L. Black Haw.
V. lentago has prominently acuminate leaves and acuminate winter buds. *V. prunifolium* has obtuse or merely acute leaves and acute winter buds.
 4. Leaf scar narrow, V-shaped or broadly U-shaped; twigs grayish brown; buds oblong. *V. lantana* L. Wayfaring-tree.
 4. Leaf scar broad, U-shaped to heart-shaped; twigs reddish.
V. alnifolium Marsh. Hobblebush
 5. Outer pair of bud scales fully half the length of the bud or more.
V. pubescens (Ait.) Pursh. Downy Arrow-wood,
and *V. dentatum* L. Arrow-wood.
V. pubescens has pubescent leaves with very short petioles; the twigs of the season are often nearly glabrous. *V. dentatum* has nearly glabrous leaves with petioles $\frac{1}{4}$ - $1\frac{1}{2}$ inches long.
 5. Outer pair of bud scales barely half the length of the bud or less.
V. molle Michx. Softleaf Arrow-wood,
and *V. acerifolium* L. Mapleleaf Arrow-wood.
V. molle has pinnately veined coarsely dentate leaves. *V. acerifolium* has 3-ribbed, 3-lobed leaves.
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